

FIG. 1

09656397 090600

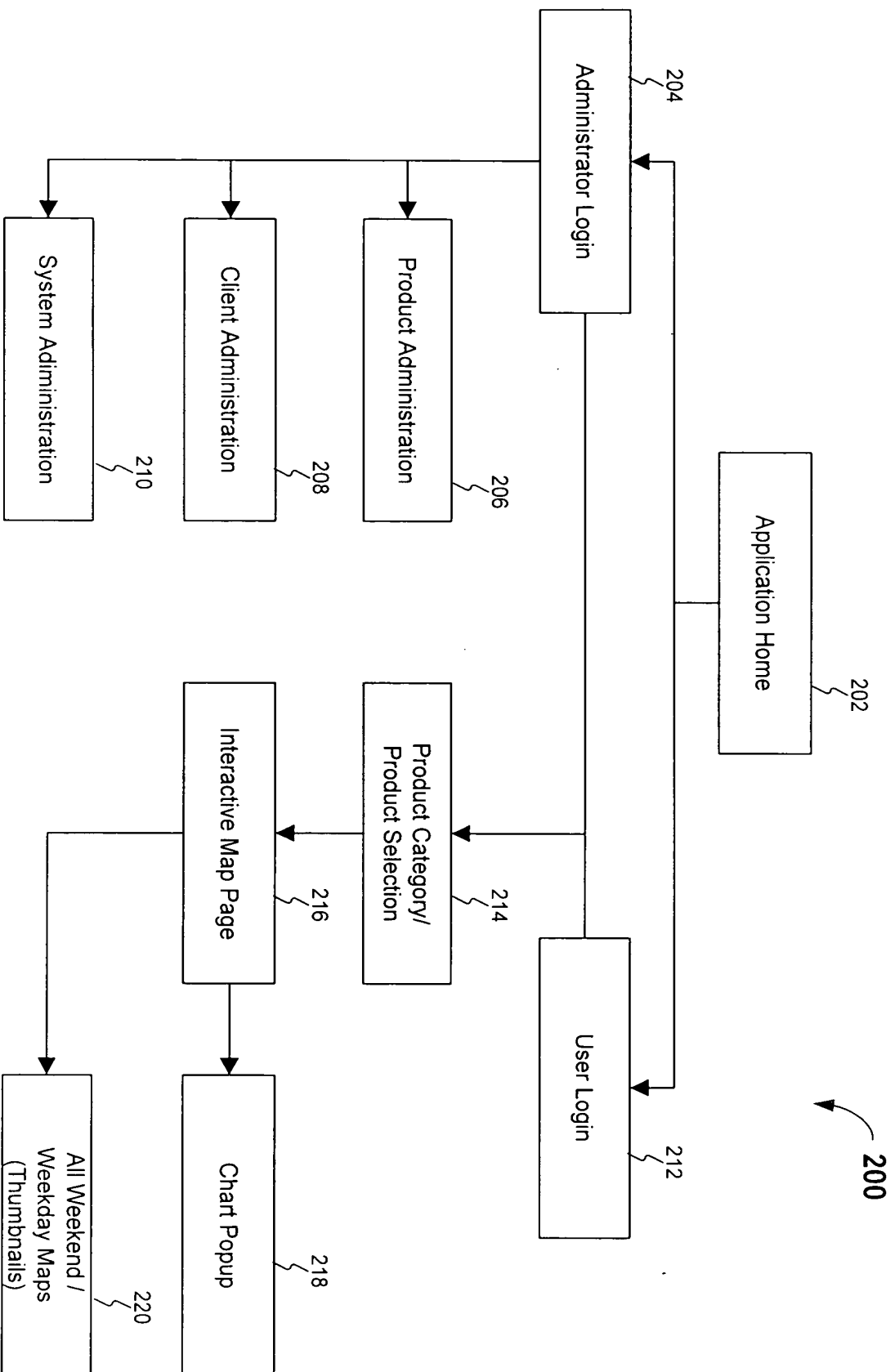


FIG. 2

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address: <http://www.nrtws/impact/sr/demo/map.html>

Go Go Links

planalytics™
RETAIL

Time Period: Monday <date> to Sunday <date> Week <#>

Interactive Map

Weekday Maps

Weekend Maps

More Favorable

Unfavorable

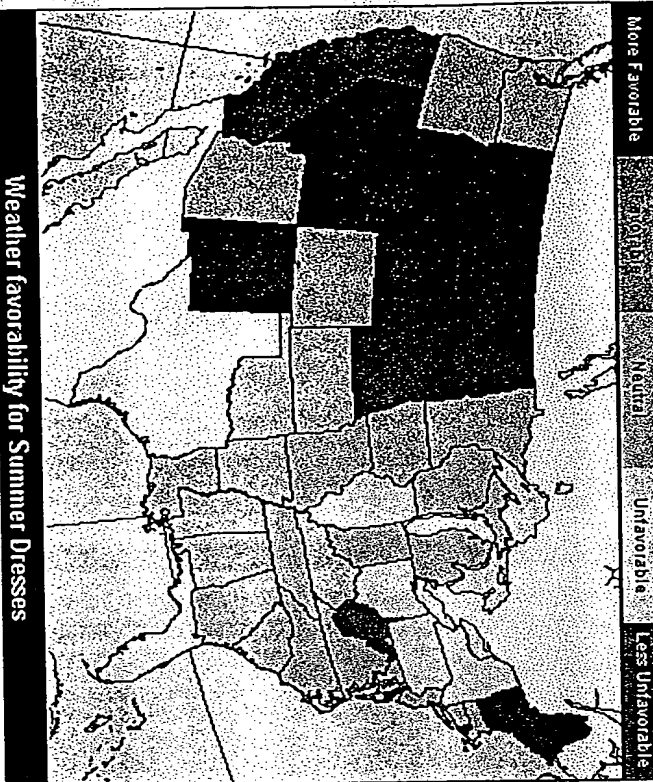
Unfavorable

Less Unfavorable

One Click



Map Click



Mon Tue Wed Thu Fri Sat Sun

Product Category: Womens' Apparel

Product: Summer Dresses

Map Display

Weather Favorability

2000 (current year)

Geo-Level STATES

☐ Geo-level labels

☐ Geo-Level Overlay

☐ Overlay labels

☐ Geo-Level Drill-Down

☐ Auto Zoom

Refresh Map

FIG-3

300

302

304

312

308

306

310

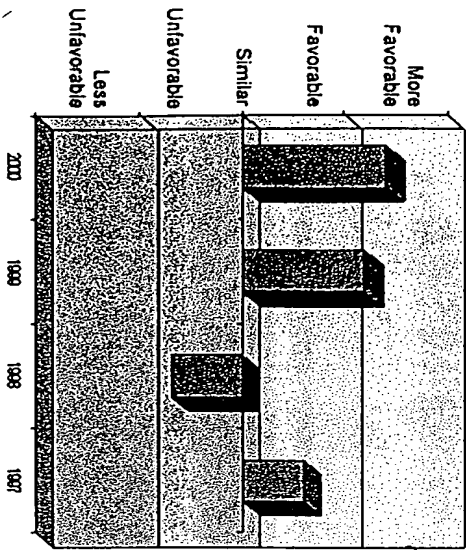
File Edit View Favorites Tools Help

Back Forward Stop Reload Home Search Favorites History Mail Print Edit

Address: <http://winvar.nlws/Impactlr/demo/chart.html>

Go Back Forward

Weather favorability for Summer Dresses in Nevada for this year and the previous three years during week #



Close 406

FIG. 4

400

File Edit View Styles Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Address <http://www.impactsr.com/weekend.html> Go Links

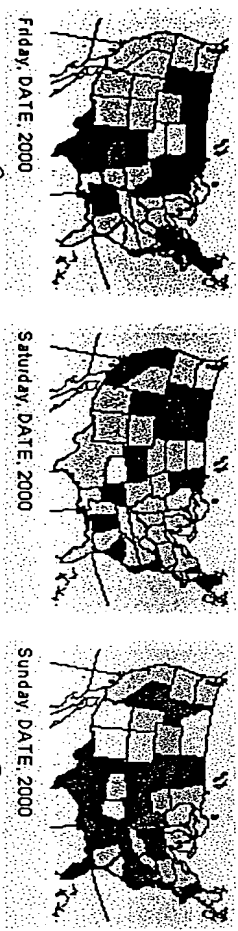
planolytics
RETAIL

Time Period: Monday <date> to Sunday <date>, Week <#>

Interactive Map Weekday Maps Weekend Maps

More Favorable
Neutral
Unfavorable
Less Unfavorable

Weather favorability for Summer Dresses



5024

5026

5024

Product Category: Womens' Apparel 702

Product: Summer Dresses 304

Weather Favorability

2000 (current year) 312

FIG. 5

PRODUCT PRODUCT FAVORABILITY MATRIX
 1. FAVORABLE
 2. MODERATELY FAVORABLE
 3. MODERATELY UNFAVORABLE
 4. UNFAVORABLE
 5. MOST UNFAVORABLE
 6. OUT OF REGION

LETTER FAVORABILITY VALUE
 F FAVORABLE
 M MODERATELY FAVORABLE
 U MODERATELY UNFAVORABLE
 UN UNFAVORABLE
 OUT OUT OF REGION

1. AUTO AC LAMP
 2. AUTO AC LAMP
 3. BOTTLED WATER
 4. BOTTLED WATER

| PRODUCT | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 1. AUTO AC LAMP | 1 | 1 | 1 | 1 |
| 2. AUTO AC LAMP | 1 | 1 | 1 | 1 |
| 3. BOTTLED WATER | 1 | 1 | 1 | 1 |
| 4. BOTTLED WATER | 1 | 1 | 1 | 1 |

5. HEATER
 6. HEATER

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------|---|---|---|---|
| 5. HEATER | 1 | 1 | 1 | 1 |
| 6. HEATER | 1 | 1 | 1 | 1 |

7. BEDDING PLANT
 8. BEDDING PLANT

| PRODUCT | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 7. BEDDING PLANT | 1 | 1 | 1 | 1 |
| 8. BEDDING PLANT | 1 | 1 | 1 | 1 |

9. TREES & SHRUBS
 10. TREES & SHRUBS

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------------|---|---|---|---|
| 9. TREES & SHRUBS | 1 | 1 | 1 | 1 |
| 10. TREES & SHRUBS | 1 | 1 | 1 | 1 |

11. BEDDING PLANT
 12. BEDDING PLANT

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 11. BEDDING PLANT | 1 | 1 | 1 | 1 |
| 12. BEDDING PLANT | 1 | 1 | 1 | 1 |

13. FERTILIZER
 14. FERTILIZER

| PRODUCT | 1 | 2 | 3 | 4 |
|----------------|---|---|---|---|
| 13. FERTILIZER | 1 | 1 | 1 | 1 |
| 14. FERTILIZER | 1 | 1 | 1 | 1 |

15. WEED KILLER
 16. WEED KILLER

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 15. WEED KILLER | 1 | 1 | 1 | 1 |
| 16. WEED KILLER | 1 | 1 | 1 | 1 |

17. SPREADER/BLADE
 18. SPREADER/BLADE

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------------|---|---|---|---|
| 17. SPREADER/BLADE | 1 | 1 | 1 | 1 |
| 18. SPREADER/BLADE | 1 | 1 | 1 | 1 |

19. MOWER/TRAILER
 20. MOWER/TRAILER

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 19. MOWER/TRAILER | 1 | 1 | 1 | 1 |
| 20. MOWER/TRAILER | 1 | 1 | 1 | 1 |

21. GARDEN TOOL
 22. GARDEN TOOL

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 21. GARDEN TOOL | 1 | 1 | 1 | 1 |
| 22. GARDEN TOOL | 1 | 1 | 1 | 1 |

23. POOL SUPPLIES
 24. POOL SUPPLIES

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 23. POOL SUPPLIES | 1 | 1 | 1 | 1 |
| 24. POOL SUPPLIES | 1 | 1 | 1 | 1 |

25. HOT TUBS
 26. HOT TUBS

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------|---|---|---|---|
| 25. HOT TUBS | 1 | 1 | 1 | 1 |
| 26. HOT TUBS | 1 | 1 | 1 | 1 |

27. BATTERY
 28. BATTERY

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------|---|---|---|---|
| 27. BATTERY | 1 | 1 | 1 | 1 |
| 28. BATTERY | 1 | 1 | 1 | 1 |

29. ANTIFREEZE
 30. ANTIFREEZE

| PRODUCT | 1 | 2 | 3 | 4 |
|----------------|---|---|---|---|
| 29. ANTIFREEZE | 1 | 1 | 1 | 1 |
| 30. ANTIFREEZE | 1 | 1 | 1 | 1 |

31. COLDWATER
 32. COLDWATER

| PRODUCT | 1 | 2 | 3 | 4 |
|---------------|---|---|---|---|
| 31. COLDWATER | 1 | 1 | 1 | 1 |
| 32. COLDWATER | 1 | 1 | 1 | 1 |

33. HAND LOTION
 34. HAND LOTION

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 33. HAND LOTION | 1 | 1 | 1 | 1 |
| 34. HAND LOTION | 1 | 1 | 1 | 1 |

1. AUTO AC LAMP
 2. AUTO AC LAMP
 3. BOTTLED WATER
 4. BOTTLED WATER

| PRODUCT | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 1. AUTO AC LAMP | 1 | 1 | 1 | 1 |
| 2. AUTO AC LAMP | 1 | 1 | 1 | 1 |
| 3. BOTTLED WATER | 1 | 1 | 1 | 1 |
| 4. BOTTLED WATER | 1 | 1 | 1 | 1 |

5. HEATER
 6. HEATER

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------|---|---|---|---|
| 5. HEATER | 1 | 1 | 1 | 1 |
| 6. HEATER | 1 | 1 | 1 | 1 |

7. BEDDING PLANT
 8. BEDDING PLANT

| PRODUCT | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 7. BEDDING PLANT | 1 | 1 | 1 | 1 |
| 8. BEDDING PLANT | 1 | 1 | 1 | 1 |

9. TREES & SHRUBS
 10. TREES & SHRUBS

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------------|---|---|---|---|
| 9. TREES & SHRUBS | 1 | 1 | 1 | 1 |
| 10. TREES & SHRUBS | 1 | 1 | 1 | 1 |

11. BEDDING PLANT
 12. BEDDING PLANT

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 11. BEDDING PLANT | 1 | 1 | 1 | 1 |
| 12. BEDDING PLANT | 1 | 1 | 1 | 1 |

13. FERTILIZER
 14. FERTILIZER

| PRODUCT | 1 | 2 | 3 | 4 |
|----------------|---|---|---|---|
| 13. FERTILIZER | 1 | 1 | 1 | 1 |
| 14. FERTILIZER | 1 | 1 | 1 | 1 |

15. WEED KILLER
 16. WEED KILLER

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 15. WEED KILLER | 1 | 1 | 1 | 1 |
| 16. WEED KILLER | 1 | 1 | 1 | 1 |

17. SPREADER/BLADE
 18. SPREADER/BLADE

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------------|---|---|---|---|
| 17. SPREADER/BLADE | 1 | 1 | 1 | 1 |
| 18. SPREADER/BLADE | 1 | 1 | 1 | 1 |

19. MOWER/TRAILER
 20. MOWER/TRAILER

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 19. MOWER/TRAILER | 1 | 1 | 1 | 1 |
| 20. MOWER/TRAILER | 1 | 1 | 1 | 1 |

21. GARDEN TOOL
 22. GARDEN TOOL

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 21. GARDEN TOOL | 1 | 1 | 1 | 1 |
| 22. GARDEN TOOL | 1 | 1 | 1 | 1 |

23. POOL SUPPLIES
 24. POOL SUPPLIES

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 23. POOL SUPPLIES | 1 | 1 | 1 | 1 |
| 24. POOL SUPPLIES | 1 | 1 | 1 | 1 |

25. HOT TUBS
 26. HOT TUBS

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------|---|---|---|---|
| 25. HOT TUBS | 1 | 1 | 1 | 1 |
| 26. HOT TUBS | 1 | 1 | 1 | 1 |

27. BATTERY
 28. BATTERY

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------|---|---|---|---|
| 27. BATTERY | 1 | 1 | 1 | 1 |
| 28. BATTERY | 1 | 1 | 1 | 1 |

29. ANTIFREEZE
 30. ANTIFREEZE

| PRODUCT | 1 | 2 | 3 | 4 |
|----------------|---|---|---|---|
| 29. ANTIFREEZE | 1 | 1 | 1 | 1 |
| 30. ANTIFREEZE | 1 | 1 | 1 | 1 |

31. COLDWATER
 32. COLDWATER

| PRODUCT | 1 | 2 | 3 | 4 |
|---------------|---|---|---|---|
| 31. COLDWATER | 1 | 1 | 1 | 1 |
| 32. COLDWATER | 1 | 1 | 1 | 1 |

33. HAND LOTION
 34. HAND LOTION

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 33. HAND LOTION | 1 | 1 | 1 | 1 |
| 34. HAND LOTION | 1 | 1 | 1 | 1 |

1. AUTO AC LAMP
 2. AUTO AC LAMP
 3. BOTTLED WATER
 4. BOTTLED WATER

| PRODUCT | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 1. AUTO AC LAMP | 1 | 1 | 1 | 1 |
| 2. AUTO AC LAMP | 1 | 1 | 1 | 1 |
| 3. BOTTLED WATER | 1 | 1 | 1 | 1 |
| 4. BOTTLED WATER | 1 | 1 | 1 | 1 |

5. HEATER
 6. HEATER

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------|---|---|---|---|
| 5. HEATER | 1 | 1 | 1 | 1 |
| 6. HEATER | 1 | 1 | 1 | 1 |

7. BEDDING PLANT
 8. BEDDING PLANT

| PRODUCT | 1 | 2 | 3 | 4 |
|------------------|---|---|---|---|
| 7. BEDDING PLANT | 1 | 1 | 1 | 1 |
| 8. BEDDING PLANT | 1 | 1 | 1 | 1 |

9. TREES & SHRUBS
 10. TREES & SHRUBS

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------------|---|---|---|---|
| 9. TREES & SHRUBS | 1 | 1 | 1 | 1 |
| 10. TREES & SHRUBS | 1 | 1 | 1 | 1 |

11. BEDDING PLANT
 12. BEDDING PLANT

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 11. BEDDING PLANT | 1 | 1 | 1 | 1 |
| 12. BEDDING PLANT | 1 | 1 | 1 | 1 |

13. FERTILIZER
 14. FERTILIZER

| PRODUCT | 1 | 2 | 3 | 4 |
|----------------|---|---|---|---|
| 13. FERTILIZER | 1 | 1 | 1 | 1 |
| 14. FERTILIZER | 1 | 1 | 1 | 1 |

15. WEED KILLER
 16. WEED KILLER

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 15. WEED KILLER | 1 | 1 | 1 | 1 |
| 16. WEED KILLER | 1 | 1 | 1 | 1 |

17. SPREADER/BLADE
 18. SPREADER/BLADE

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------------|---|---|---|---|
| 17. SPREADER/BLADE | 1 | 1 | 1 | 1 |
| 18. SPREADER/BLADE | 1 | 1 | 1 | 1 |

19. MOWER/TRAILER
 20. MOWER/TRAILER

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 19. MOWER/TRAILER | 1 | 1 | 1 | 1 |
| 20. MOWER/TRAILER | 1 | 1 | 1 | 1 |

21. GARDEN TOOL
 22. GARDEN TOOL

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 21. GARDEN TOOL | 1 | 1 | 1 | 1 |
| 22. GARDEN TOOL | 1 | 1 | 1 | 1 |

23. POOL SUPPLIES
 24. POOL SUPPLIES

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------------|---|---|---|---|
| 23. POOL SUPPLIES | 1 | 1 | 1 | 1 |
| 24. POOL SUPPLIES | 1 | 1 | 1 | 1 |

25. HOT TUBS
 26. HOT TUBS

| PRODUCT | 1 | 2 | 3 | 4 |
|--------------|---|---|---|---|
| 25. HOT TUBS | 1 | 1 | 1 | 1 |
| 26. HOT TUBS | 1 | 1 | 1 | 1 |

27. BATTERY
 28. BATTERY

| PRODUCT | 1 | 2 | 3 | 4 |
|-------------|---|---|---|---|
| 27. BATTERY | 1 | 1 | 1 | 1 |
| 28. BATTERY | 1 | 1 | 1 | 1 |

29. ANTIFREEZE
 30. ANTIFREEZE

| PRODUCT | 1 | 2 | 3 | 4 |
|----------------|---|---|---|---|
| 29. ANTIFREEZE | 1 | 1 | 1 | 1 |
| 30. ANTIFREEZE | 1 | 1 | 1 | 1 |

31. COLDWATER
 32. COLDWATER

| PRODUCT | 1 | 2 | 3 | 4 |
|---------------|---|---|---|---|
| 31. COLDWATER | 1 | 1 | 1 | 1 |
| 32. COLDWATER | 1 | 1 | 1 | 1 |

33. HAND LOTION
 34. HAND LOTION

| PRODUCT | 1 | 2 | 3 | 4 |
|-----------------|---|---|---|---|
| 33. HAND LOTION | 1 | 1 | 1 | 1 |
| 34. HAND LOTION | 1 | 1 | 1 | 1 |

FIG. 6

397 090600

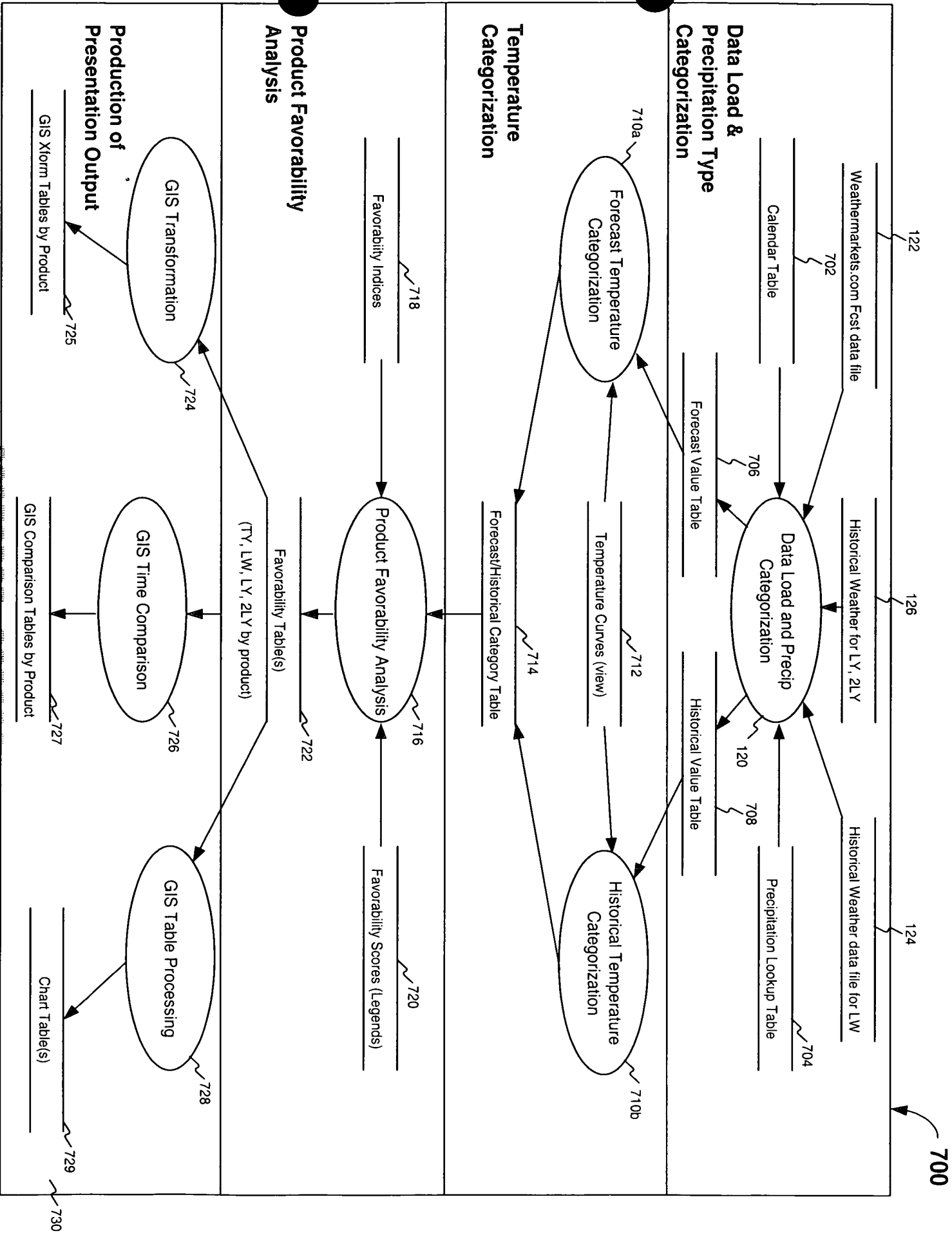


FIG. 7

WEATHER HISTORY 126

| YEAR | MA | DATA TYPE | P1 | P2 | P3 | P4 | P5 | P6 |
|------|---------|-----------|------|------|------|------|------|------|
| 1994 | MSA 100 | TEMP. SEA | 46 | 47 | 50 | 51 | 54 | 55 |
| 1995 | MSA 100 | TEMP. SEA | 46 | 47 | 49 | 51 | 53 | 55 |
| 1994 | MSA 100 | SNOW. SEA | 0.7 | 0.2 | 0.2 | 0.1 | 0 | 0.1 |
| 1995 | MSA 100 | SNOW. SEA | 0.8 | 0.2 | 0.2 | 0.1 | 0 | 0 |
| 1994 | MSA 100 | SNOW. SEA | 1.01 | 1.03 | 1.08 | 1.1 | 1.12 | 1.1 |
| 1995 | MSA 100 | PREC. SEA | 1.01 | 1.03 | 1.07 | 1.1 | 1.12 | 1.1 |
| 1994 | MSA 100 | PREC. SEA | 1.01 | 1.03 | 1.07 | 1.1 | 1.12 | 1.1 |
| 1995 | MSA 100 | PREC. SEA | 1.01 | 1.03 | 1.07 | 1.1 | 1.12 | 1.1 |
| 1994 | MSA 100 | SNOW | 0 | 0 | 0 | 0 | 1.2 | 0 |
| 1995 | MSA 100 | SNOW | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | MSA 100 | SNOW | 0 | 0 | 0 | 0 | 0 | 0 |
| 1995 | MSA 100 | SNOW | 0 | 0 | 0 | 0 | 0 | 0 |
| 1994 | MSA 100 | PREC | 1.5 | 0.4 | 0.9 | 1.3 | 1.7 | 0.3 |
| 1995 | MSA 100 | PREC | 1.1 | 0.01 | 2.68 | 1.78 | 0.48 | 0.01 |
| 1994 | MSA 100 | PREC | 1.1 | 0.01 | 2.68 | 1.78 | 0.48 | 0.01 |
| 1995 | MSA 100 | TEMP | 49 | 43 | 45 | 47 | 50 | 42 |
| 1994 | MSA 100 | TEMP | 53 | 51 | 56 | 50 | 58 | 54 |
| 1995 | MSA 100 | TEMP | 53 | 51 | 56 | 50 | 58 | 54 |
| 1994 | MSA 100 | TEMP. CAT | 1 | -1 | -1 | -1 | -1 | -1 |
| 1995 | MSA 100 | TEMP. CAT | 1 | -1 | -1 | -1 | -1 | -1 |
| 1994 | MSA 100 | TEMP. CAT | 1 | -1 | -1 | -1 | -1 | -1 |
| 1995 | MSA 100 | PREC. CAT | 1 | -1 | -1 | -1 | -1 | -1 |
| 1994 | MSA 100 | PREC. CAT | 1 | -1 | -1 | -1 | -1 | -1 |
| 1995 | MSA 100 | PREC. CAT | 1 | -1 | -1 | -1 | -1 | -1 |

...

...

FIG. 8

09656397 090600

| YEAR | MA | DATA TYPE | P1 | P2 | P3 | P4 | P5 | P6 |
|------|---------|-----------|------|------|------|------|------|-----|
| N+1 | MSA 100 | SNOW | 0.9 | 0.4 | 0.3 | 0.2 | 0 | 0 |
| N+1 | MSA 100 | PREC | 1.1 | 1.05 | 1.05 | 1.00 | 1.15 | 1.2 |
| N+1 | MSA 100 | TEMP | 48 | 49 | 50 | 53 | 55 | 57 |
| N+1 | MSA 100 | TEMP.CAT | 1 | 1 | 1 | 1 | 1 | -1 |
| N+1 | MSA 100 | PREC.CAT | 1 | 1 | -1 | -1 | 1 | 1 |
| N+1 | MSA 100 | SNOW.CAT | 1 | 0 | 0 | 1 | 0 | 0 |
| N+1 | MSA 100 | SNOW.SEA | 0.8 | 0.4 | 0.3 | 0.1 | 0 | 0 |
| N+1 | MSA 100 | PREC.SEA | 1.00 | 1.03 | 1.06 | 1.05 | 1.10 | 1.1 |
| N+1 | MSA 100 | TEMP.SEA | 47 | 47 | 49 | 52 | 54 | 55 |

902
904

...

WEATHER FORECAST DATA 900

...

FIG. 9

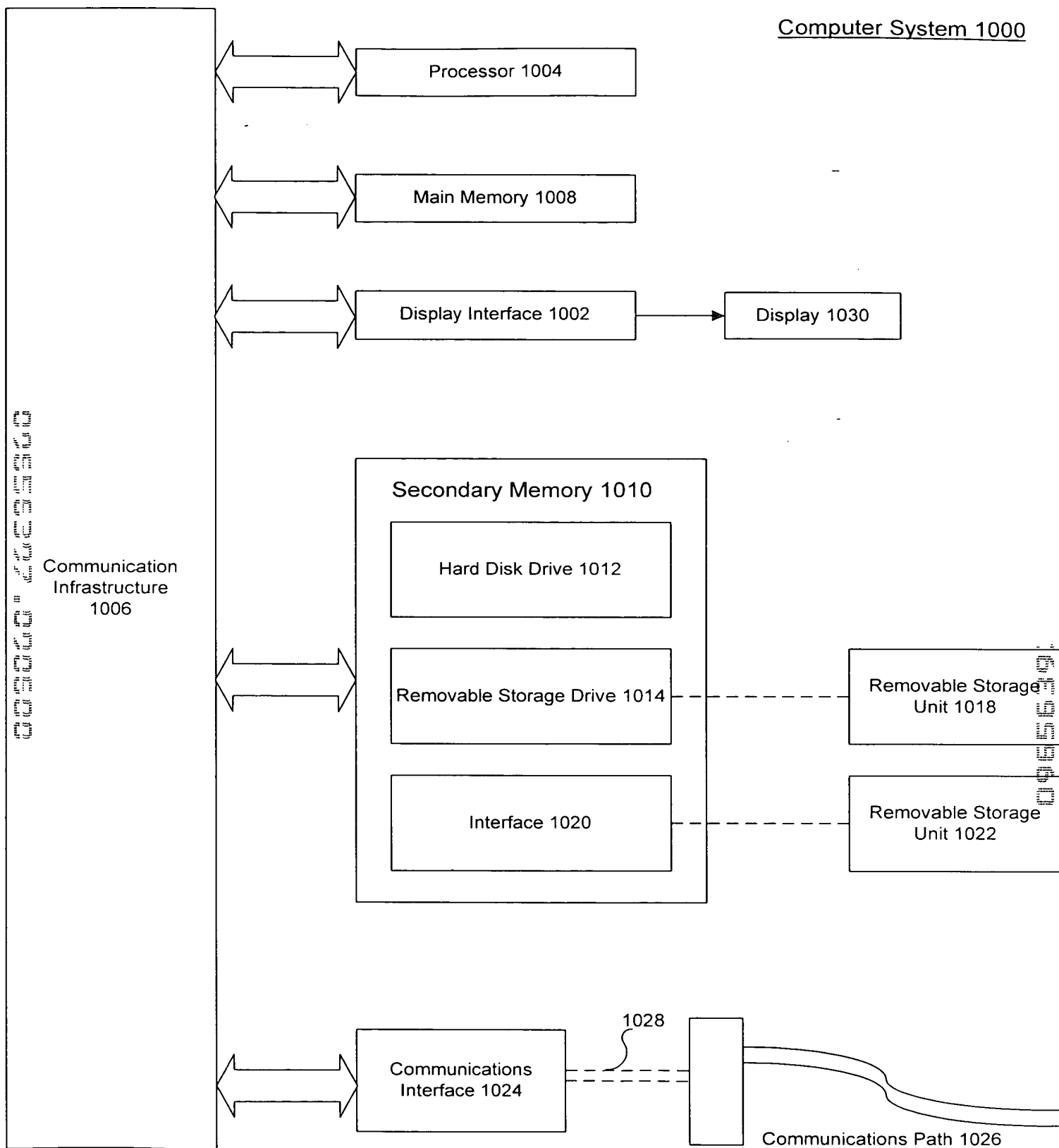


FIG. 10

Calendar Table 702

| Name | Null? | Type |
|-------------|-------|---------------|
| DATE_ID | | NOT NULL DATE |
| YEAR_ID | | NUMBER(38) |
| QUARTER | | NUMBER(38) |
| MONTHNUM | | NUMBER(38) |
| MONTHNAME | | VARCHAR2(9) |
| WEEKNUM | | NUMBER(38) |
| WEEKDAYNUM | | NUMBER(38) |
| DAYNAME | | VARCHAR2(9) |
| WEEKEND | | VARCHAR2(3) |
| HOLIDAYDESC | | VARCHAR2(16) |
| HOLIDAYFLAG | | VARCHAR2(3) |

| DATE_ID | YEAR_ID | QUARTER | MONTHNUM | MONTHNAME | WEEKNUM | WEEKDAYNUM | DAYNAME | WEEKEND | HOLIDAYDESC | HOLIDAYFLAG |
|-----------|---------|---------|----------|------------|---------|------------|-------------|---------|----------------|-------------|
| 3-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 1 | 1 Monday | No | | No |
| 4-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 2 | 2 Tuesday | No | | No |
| 5-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 3 | 3 Wednesday | No | | No |
| 6-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 4 | 4 Thursday | No | | No |
| 7-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 5 | 5 Friday | No | | No |
| 8-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 6 | 6 Saturday | Yes | | No |
| 9-Feb-97 | 1997 | 1 | 1 | 1 February | 1 | 7 | 7 Sunday | Yes | | No |
| 10-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 1 | 1 Monday | No | | No |
| 11-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 2 | 2 Tuesday | No | | No |
| 12-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 3 | 3 Wednesday | No | | No |
| 13-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 4 | 4 Thursday | No | | No |
| 14-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 5 | 5 Friday | No | Valentines Day | Yes |
| 15-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 6 | 6 Saturday | Yes | | No |
| 16-Feb-97 | 1997 | 1 | 1 | 1 February | 2 | 7 | 7 Sunday | Yes | | No |
| 17-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 1 | 1 Monday | No | Presidents Day | Yes |
| 18-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 2 | 2 Tuesday | No | | No |
| 19-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 3 | 3 Wednesday | No | | No |
| 20-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 4 | 4 Thursday | No | | No |
| 21-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 5 | 5 Friday | No | | No |
| 22-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 6 | 6 Saturday | Yes | | No |
| 23-Feb-97 | 1997 | 1 | 1 | 1 February | 3 | 7 | 7 Sunday | Yes | | No |

FIG. 11A

09656397 " 090600

Precipitation Lookup Table 704

| PRECIP_TYPE | | |
|-------------|------------|-------------------|
| PRECIP_CODE | PRECEDENCE | PRECIP_DEFINITION |
| SN | 6 | SNOW |
| ICE | 5 | ICE |
| SNSH | 4 | SNOW SHOWERS |
| RA | 3 | RAIN |
| RASH | 2 | SHOWERS |
| DRY | 1 | DRY |

| EVENT_PRECIP_CODE | | |
|-------------------|-----------------------------------|-------------|
| EVENT_CODE | EVENT_DEFINITION | PRECIP_CODE |
| MISS | Missing event string | DRY |
| UP | Unknown Precipitation | DRY |
| UNINT | Uninterpretable code | DRY |
| TS | Thunderstorm | DRY |
| RW | Rainshowers (obsolete code) | RASH |
| RN | Rain (obsolete code) | RA |
| IP | Ice pellets (obsolete code) | ICE |
| PE | Ice pellets | ICE |
| DZ | Drizzle | RA |
| RA | Rain | RA |
| SH | Showers | RASH |
| SN | Snow | SN |
| SG | Snow grains (small granular snow) | SN |
| IC | Ice crystals | DRY |
| PL | Ice pellets | ICE |
| GR | Hail | RASH |
| GS | Small hail or snow pellets | RASH |
| BR | Mist (light fog) | RASH |
| FG | Fog | DRY |

Fig. 11B

0906397 " 090600

Historical Value Table 706 and Forecast Value Table 708

| Name | Null? | Type |
|------------|----------|--------------|
| STATION | NOT NULL | CHAR(4) |
| DAY | NOT NULL | DATE |
| MAX_TEMP | | NUMBER(3) |
| MIN_TEMP | | NUMBER(3) |
| MEAN_TEMP | | NUMBER(3) |
| PRECIP | | NUMBER(6, 2) |
| PRECIP_CAT | | VARCHAR2(9) |
| TYPE | | VARCHAR2(4) |

FIG. 11C

Historical Category Table and Forecast Category Table 714

| Name | Null? | Type |
|------------|----------|--------------|
| STATION | NOT NULL | CHAR(4) |
| DAY | NOT NULL | DATE |
| MAX_TEMP | | NUMBER(3) |
| MIN_TEMP | | NUMBER(3) |
| MEAN_TEMP | | NUMBER(3) |
| TEMP_CAT | | NUMBER(3) |
| PRECIP | | NUMBER(6, 2) |
| PRECIP_CAT | | VARCHAR2(9) |
| TYPE | | VARCHAR2(4) |

FIG. 11D

Product Favorability Table 722

| Name | Null? | Type |
|------------|----------|-------------|
| STATION | NOT NULL | CHAR(4) |
| DAY | NOT NULL | DATE |
| PRODUCT_ID | NOT NULL | NUMBER(10) |
| WX_FAV | | NUMBER(1,2) |

FIG. 11E

GIS Transform 725 and GIS Comparison Table 727

| Name | Null? | Type |
|---------|-------|-------------|
| STATION | | |
| D1 | | NUMBER(1,2) |
| D2 | | NUMBER(1,2) |
| D3 | | NUMBER(1,2) |
| D4 | | NUMBER(1,2) |
| D5 | | NUMBER(1,2) |
| D6 | | NUMBER(1,2) |
| D7 | | NUMBER(1,2) |

FIG. 11F

PRE-GIS Transformation

| STATION | DAY | PRODUCT_ID | WX_FAV |
|---------|--------|------------|--------|
| KPHL | 9/4/00 | 1 | 1 |
| KPHL | 9/5/00 | 1 | 2 |
| KPHL | 9/6/00 | 1 | -1 |
| KBWI | 9/4/00 | 1 | 2 |
| KBWI | 9/5/00 | 1 | 0 |
| KBWI | 9/6/00 | 1 | 0 |
| KBOS | 9/4/00 | 1 | 1 |
| KBOS | 9/5/00 | 1 | 2 |
| KBOS | 9/6/00 | 1 | -2 |

FIG. 11G

Post-GIS Transformation

| STATION | D1 | D2 | D3 |
|---------|----|----|----|
| KPHL | 1 | 2 | -1 |
| KBWI | 2 | 0 | 0 |
| KBOS | 1 | 2 | -2 |

FIG. 11H

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